

139873

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800
 Rev. 3/13/2004 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEP-4B68, 272-2511.

Date 11/24/04 Serial # 091849,532 Priority Application Date _____
 Your Name M. Lewis Examiner # _____
 AU 2879 Phone 272-1835 Room 5A30
 In what format would you like your results? Paper is the default. ☒ PAPER ☐ DISK ☐ EMAIL

If submitting more than one search, please prioritize in order of need. needed before
272

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

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What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. _____

What types of references would you like? Please checkmark:

Primary Refs _____ Nonpatent Literature _____ Other _____
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What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 13, 16, 17 & 52-59

Problem: See pages 2 & 3
Solution: " " 3 & 4

Base

Please do an updated
search.

Staff Use Only

Searcher: 5006 7-20-04

Searcher Phone: 22541

Searcher Location: STIC-EIC2800, JEP-4B68

Date Searcher Picked Up: 12-03-04

Date Completed: 12-03-04

Searcher Prep/Rev #/Time: 40

Online Time: 240

Type of Search

Structure (#) _____

Bibliographic ☒

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Fulltext _____

Patent Family _____

Other _____

Vendors

STN _____

DIALOG ☒

Questel/Orbit _____

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WWW/Internet _____

Other _____

Set	Items	Description
S1	23329	BGA? ? OR BALL(2N)GRID?
S2	1841490	DIE? ?
S3	6999	CONTACT()PAD?
S4	11285	SOLDER(2N)BALL?
S5	14121	(HEAT? OR TEMP? OR THERMAL?) (3N)SPREAD?
S6	1838	RING()STIFF?
S7	0	S5 AND S6
S8	376	S1 AND (S5 OR S6)
S9	214	S8 AND (BUMP? OR S2 OR S3 OR S4)
S10	115	S9 AND S4
S11	6	S10 AND S3
S12	6	RD (unique items)
S13	3033	CONDUCT?(3N)BUMP?
S14	4389	NON()ACTIVE?
S15	14	S8 AND (S13 OR S3 OR S14)
S16	14	RD (unique items)
S17	8	S16 NOT S12

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